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1644

## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH

RECEIVED

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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,377

Source: BATCH

Date Processed by STIC: 12/20/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin30help@uspto.gov](mailto:patin30help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

BATCH

RAW SEQUENCE LISTING                      DATE: 12/20/2000  
 PATENT APPLICATION: US/09/674,377        TIME: 13:59:33

Input Set : A:\PTO.txt  
 Output Set: N:\CRF3\12202000\I674377.raw

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Nakamura, Toshikazu  
 W--> 4 <120> TITLE OF INVENTION: NEOVASCULARIZATION INHIBITOR  
 W--> 5 <130> FILE REFERENCE: P99-10  
 W--> 6 <140> CURRENT APPLICATION NUMBER:  
 C--> 7 <141> CURRENT FILING DATE: 2000-10-30  
 8 <150> PRIOR APPLICATION NUMBER: JP P1998/134681  
 9 <151> PRIOR FILING DATE: 1998-04-28  
 W--> 10 <160> NUMBER OF SEQ ID: 2  
 11 <170> SOFTWARE: PatentIn Ver. 2.0  
 W--> 12 <210> SEQ ID NO: 1  
 13 <211> LENGTH: 447  
 14 <212> TYPE: PRT  
 15 <213> ORGANISM: Human  
 W--> 16 <220> FEATURE:  
 17 <221> NAME/KEY: MOD\_RES  
 18 <222> LOCATION: (1)  
 19 <223> OTHER INFORMATION: pyroglutamate  
 W--> 20 <220> FEATURE:  
 21 <221> NAME/KEY: CHAIN  
 22 <222> LOCATION: (1)..(447)  
 23 <223> OTHER INFORMATION: N-terminal region of alpha-chain in HGF  
 24 (PyrGlu32-Val478/HGF)  
 W--> 25 <300> PUBLICATION INFORMATION:  
 26 <301> AUTHORS: Nakamura, Tshikazu  
 27 <303> JOURNAL: Nature  
 28 <304> VOLUME: 342  
 29 <306> PAGES: 440-443  
 W--> 30 <307> DATE: 1989  
 W--> 31 <400> SEQUENCE: 1  
 W--> 32 Xaa Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys  
 33 1 5 10 15  
 34 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys  
 35 20 25 30  
 36 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly  
 37 35 40 45  
 38 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln  
 39 50 55 60  
 40 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu  
 41 65 70 75 80  
 42 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn  
 43 85 90 95  
 44 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr  
 45 100 105 110  
 46 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu  
 47 115 120 125  
 48 His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn  
 49 130 135 140

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50 Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr
51 145                      150                      155                      160
52 Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser
53                      165                      170                      175
54 Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met
55                      180                      185                      190
56 Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr
57                      195                      200                      205
58 Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe
59                      210                      215                      220
60 Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys
61 225                      230                      235                      240
62 Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr
63                      245                      250                      255
64 Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr
65                      260                      265                      270
66 Glu Cys Ile Gln Gly Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr
67                      275                      280                      285
68 Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His
69                      290                      295                      300
70 Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu
71 305                      310                      315                      320
72 Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr
73                      325                      330                      335
74 Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys
75                      340                      345                      350
76 Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr
77                      355                      360                      365
78 Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp
79                      370                      375                      380
80 Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp
81 385                      390                      395                      400
82 Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Asp Ala
83                      405                      410                      415
84 His Gly Pro Trp Cys Tyr Thr Gly Asn Pro Leu Ile Pro Trp Asp Tyr
85                      420                      425                      430
86 Cys Pro Ile Ser Arg Cys Glu Gly Asp Thr Thr Pro Thr Ile Val
87                      435                      440                      445

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89 <210> SEQ ID NO: 2
90 <211> LENGTH: 442
91 <212> TYPE: PRT
92 <213> ORGANISM: Human
93 <220> FEATURE:
94 <221> NAME/KEY: CHAIN
95 <222> LOCATION: (1)..(442)
96 <223> OTHER INFORMATION: N-terminal region of alpha-chain in HGF
97                      (pyrGlu32-Val478/HGF)
98 <220> FEATURE:
99 <221> NAME/KEY: MOD_RES

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*what about Xaa at location 1?  
 (next page)*

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/674,377

DATE: 12/20/2000  
 TIME: 13:59:33

Input Set : A:\PTO.txt  
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100 <222> LOCATION: (130)..(131)

101 <223> OTHER INFORMATION: deletion of 5 amino acids

W--> 102 <400> SEQUENCE: 2

W--> 103 Xaa Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys  
 104 1 5 10 15  
 105 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys  
 106 20 25 30  
 107 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly  
 108 35 40 45  
 109 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln  
 110 50 55 60  
 111 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu  
 112 65 70 75 80  
 113 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn  
 114 85 90 95  
 115 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr  
 116 100 105 110  
 117 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu  
 118 115 120 125  
 119 His Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn Tyr Cys Arg Asn Pro  
 120 130 135 140  
 121 Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr Ser Asn Pro Glu Val  
 122 145 150 155 160  
 123 Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser Glu Val Glu Cys Met  
 124 165 170 175  
 125 Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met Asp His Thr Glu Ser  
 126 180 185 190  
 127 Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr Pro His Arg His Lys  
 128 195 200 205  
 129 Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe Asp Asp Asn Tyr Cys  
 130 210 215 220  
 131 Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys Tyr Thr Leu Asp Pro  
 132 225 230 235 240  
 133 His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr Cys Ala Asp Asn Thr  
 134 245 250 255  
 135 Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr Glu Cys Ile Gln Gly  
 136 260 265 270  
 137 Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr Ile Trp Asn Gly Ile  
 138 275 280 285  
 139 Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His Glu His Asp Met Thr  
 140 290 295 300  
 141 Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu Asn Tyr Cys Arg Asn  
 142 305 310 315 320  
 143 Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr Thr Asp Pro Asn Ile  
 144 325 330 335  
 145 Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys Asp Met Ser His Gly  
 146 340 345 350  
 147 Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr Met Gly Asn Leu Ser  
 148 355 360 365

## RAW SEQUENCE LISTING

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Input Set : A:\PTO.txt

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149	Gln	Thr	Arg	Ser	Gly	Leu	Thr	Cys	Ser	Met	Trp	Asp	Lys	Asn	Met	Glu
150		370					375						380			
151	Asp	Leu	His	Arg	His	Ile	Phe	Trp	Glu	Pro	Asp	Ala	Ser	Lys	Leu	Asn
152	385					390					395				400	
153	Glu	Asn	Tyr	Cys	Arg	Asn	Pro	Asp	Asp	Asp	Ala	His	Gly	Pro	Trp	Cys
154					405					410					415	
155	Tyr	Thr	Gly	Asn	Pro	Leu	Ile	Pro	Trp	Asp	Tyr	Cys	Pro	Ile	Ser	Arg
156				420					425						430	
157	Cys	Glu	Gly	Asp	Thr	Thr	Pro	Thr	Ile	Val						
158			435					440								

## VERIFICATION SUMMARY

DATE: 12/20/2000

PATENT APPLICATION: US/09/674,377

TIME: 13:59:34

Input Set : A:\PTO.txt

Output Set: N:\CRF3\12202000\I674377.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:5 M:283 W: Missing Blank Line separator, <130> field identifier  
L:6 M:283 W: Missing Blank Line separator, <140> field identifier  
L:7 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:10 M:283 W: Missing Blank Line separator, <160> field identifier  
L:12 M:283 W: Missing Blank Line separator, <210> field identifier  
L:16 M:283 W: Missing Blank Line separator, <220> field identifier  
L:20 M:283 W: Missing Blank Line separator, <220> field identifier  
L:25 M:283 W: Missing Blank Line separator, <300> field identifier  
L:30 M:285 W: Invalid Journal Date: Wrong YYYY-MM-DD,MMM-YYYY or SEASON-YYYY, Wrong Journal Date:YYYY-MM-DD,MMM-YYYY or Season-YYYY  
L:31 M:283 W: Missing Blank Line separator, <400> field identifier  
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:93 M:283 W: Missing Blank Line separator, <220> field identifier  
L:98 M:283 W: Missing Blank Line separator, <220> field identifier  
L:102 M:283 W: Missing Blank Line separator, <400> field identifier  
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2